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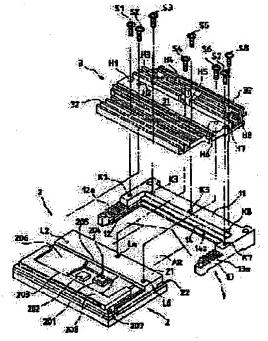
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# (54) HEAT-RADIATING STRUCTURE USING CONNECTOR

#### (57)Abstract:

PROBLEM TO BE SOLVED: To improve a heat-radiating structure in association with a connector which is two-piece type and used frequently for electrical connection to a heat generating unit, and enable the increase in heat-radiating area or heat-radiating volume even in a narrow space.

SOLUTION: A terminal portion 14 of a first piece 1 to screw a heat sink 3 is engaged with a slit portion 22 of a second piece (shown by an arrow AR). A terminal 14a is electrically connected to a terminal of the second piece side. In such a state, heat is generated in a CPU 201 provided on a first printed board 203 and other electric unit 202 and a part of the heat flows in a housing of the electric unit 2 and radiated. However, a large quantity of remaining heat is passed through a guide projecting portion 21 from an extending portion 205, transmitted to the heat sink 3, and radiated in air. Simultaneously, the heat flows to a housing of the first piece 1 made of materials having low-heat resistance, and is radiated. It is possible to assure a wide heat-radiating area because heat generated in a heating element is radiated from all of the housing of the electric unit, heat sink 3, and first piece 1.



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